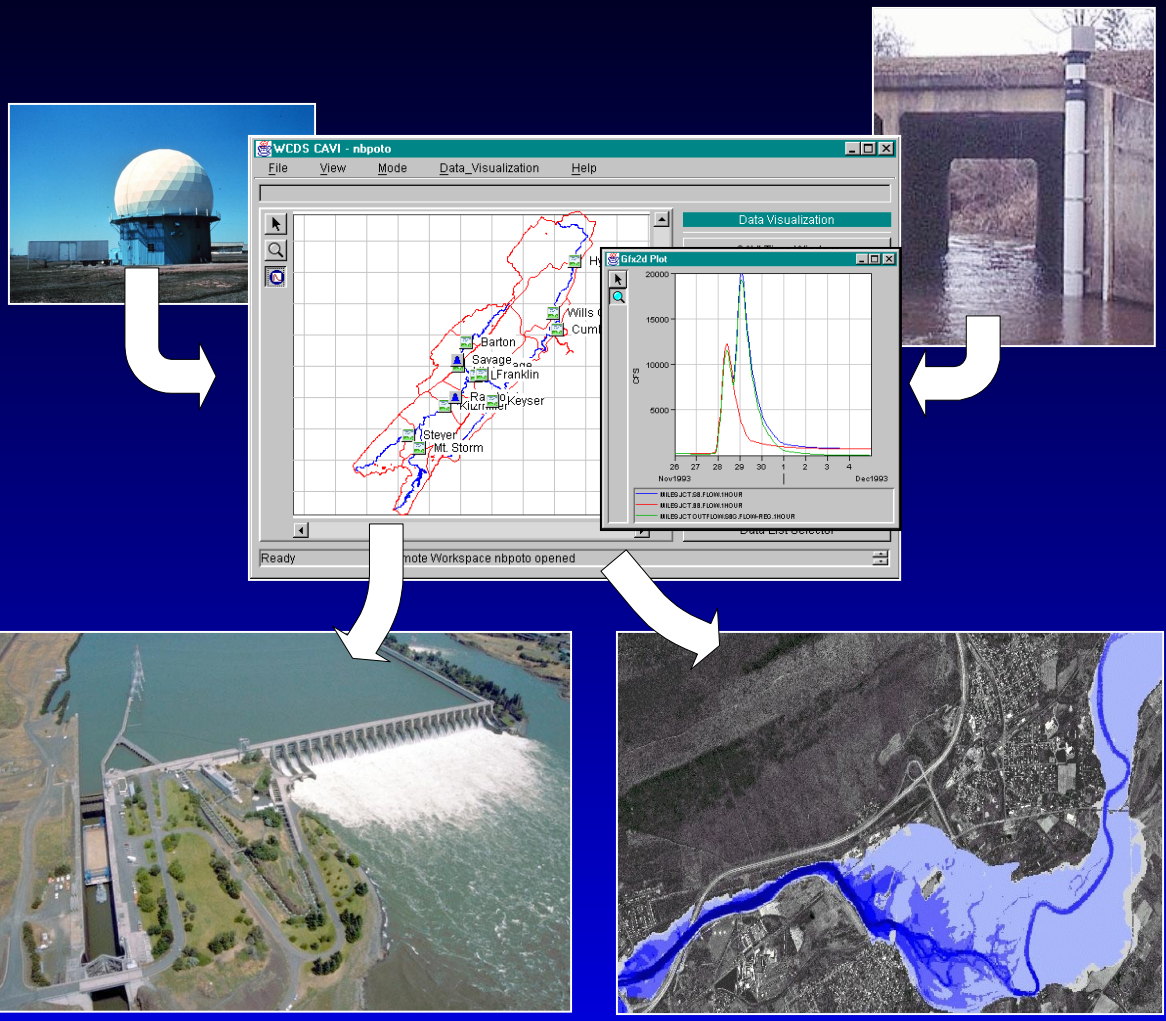
Corps Water Management System

Concepts Overview

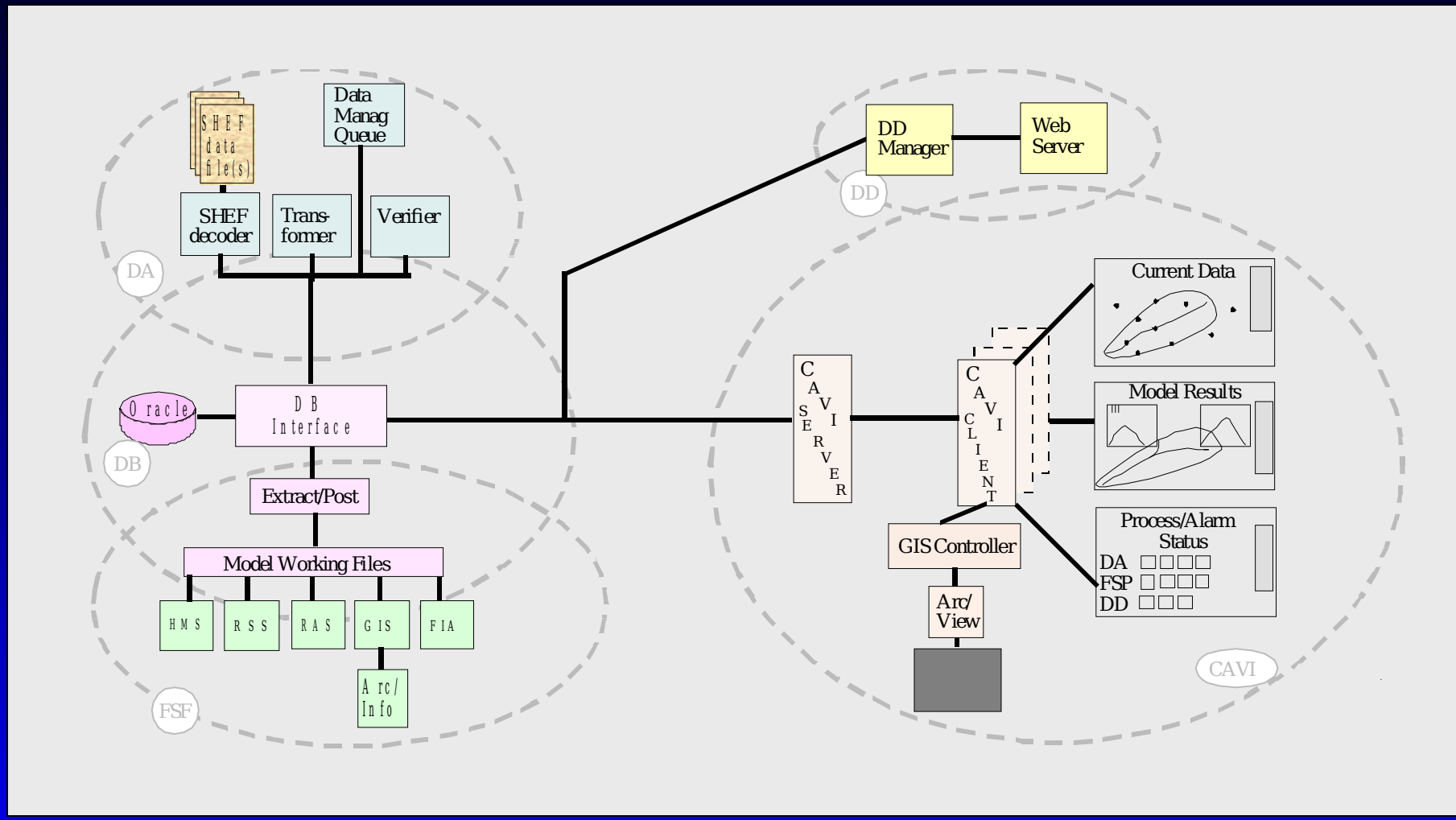
US Army Corps of Engineers

Corps Water Management System (CWMS) Modernization

- Improved Real-Time Decision Support for Water Management
- 700+ Multipurpose Reservoirs and Flow Control Structures, Thousands of Miles of Levees
- Expanded Corporate Web-Based Information
- Standardized Corporate Hardware/Software Class IV AIS

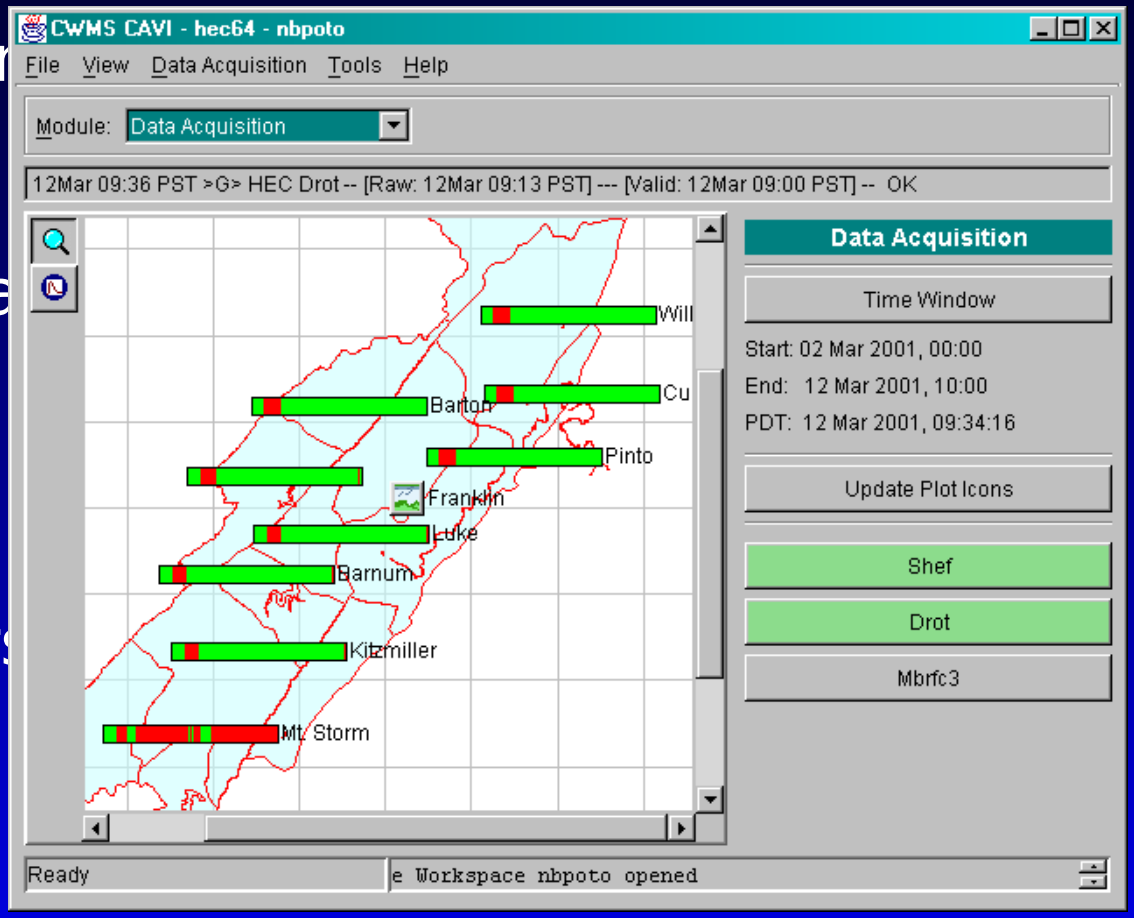


System Components



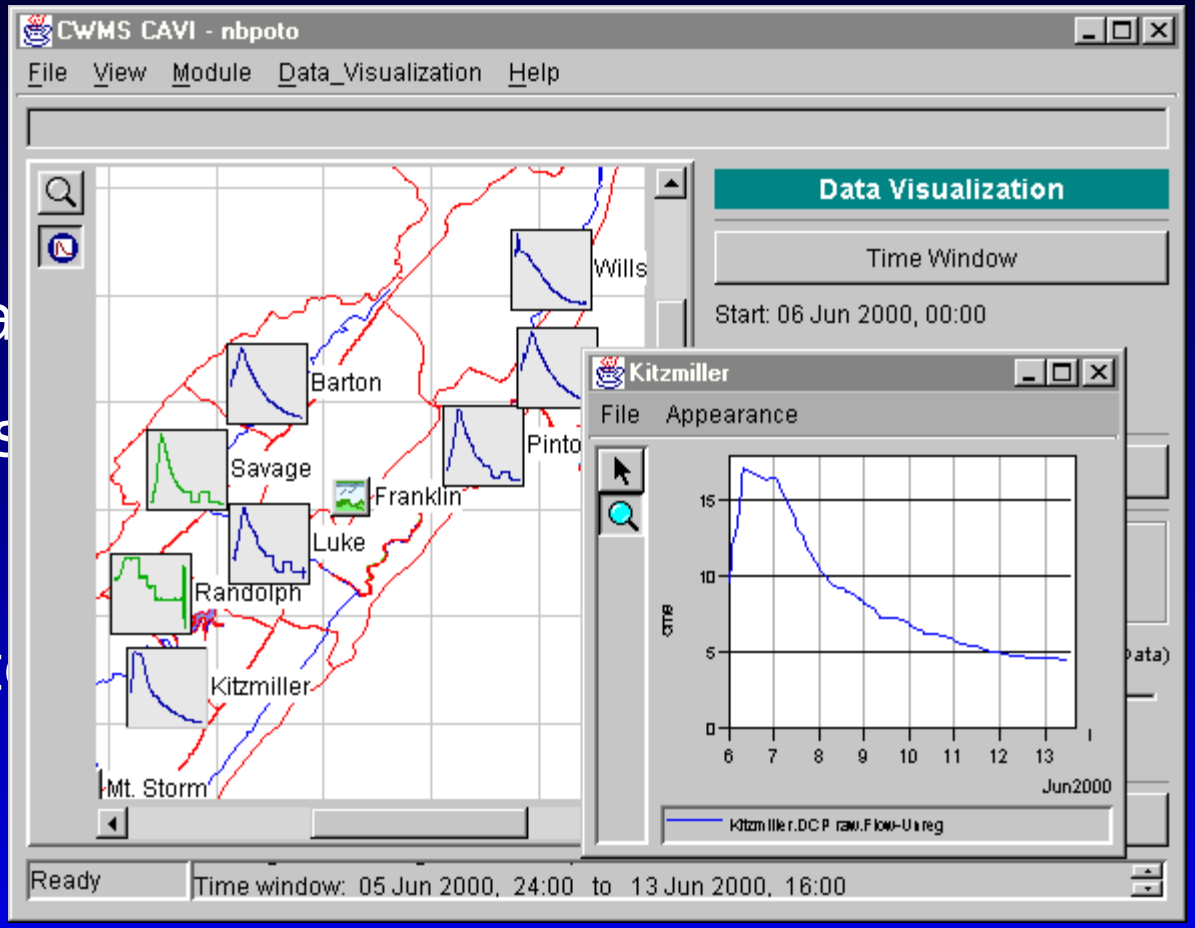
Data Acquisition

- Socket Connection
- File Transfer
- Goes (DCP) Forma
- SHEF Format
- Data Validation
- Derive Parameters
- Data Status

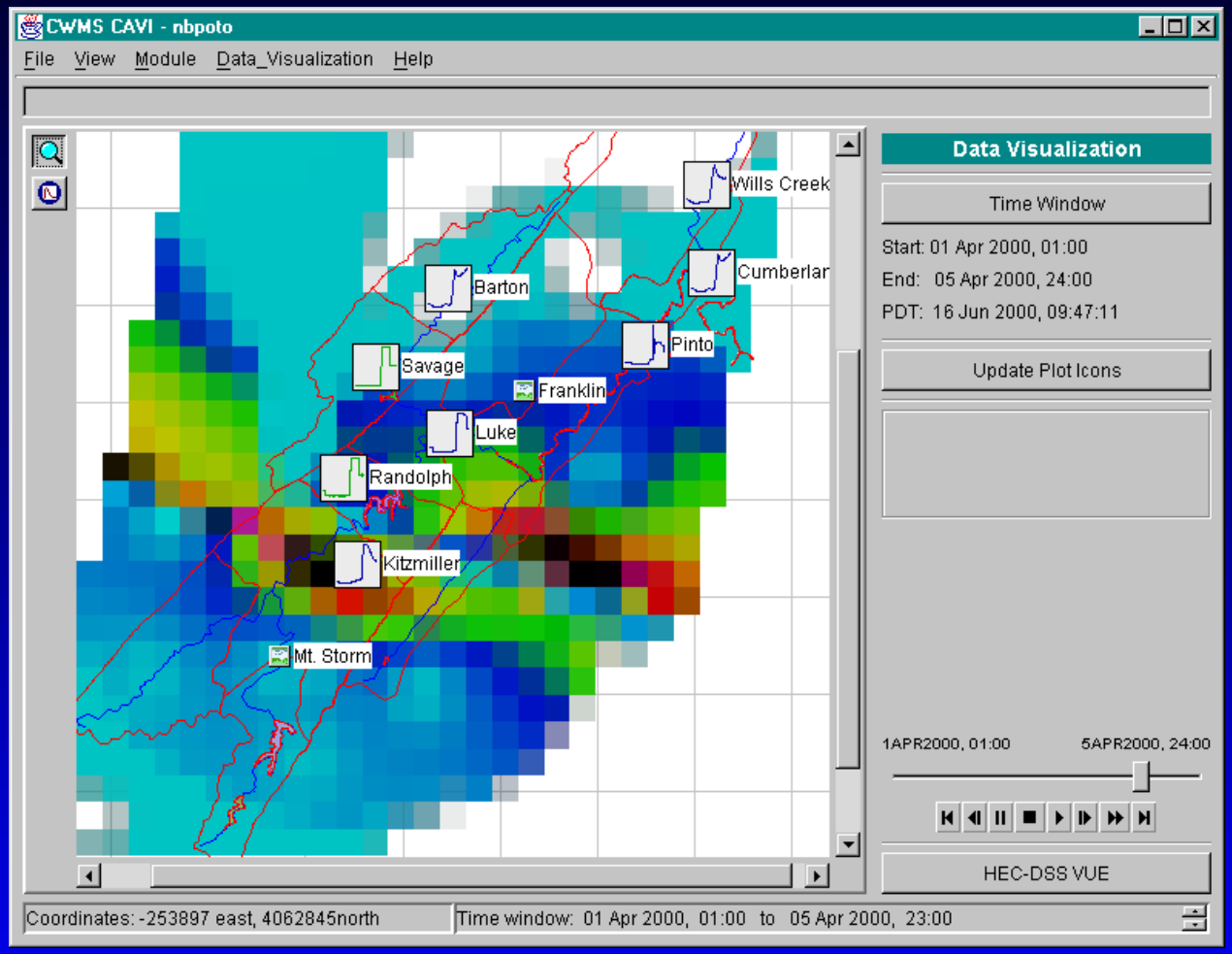


Data Base

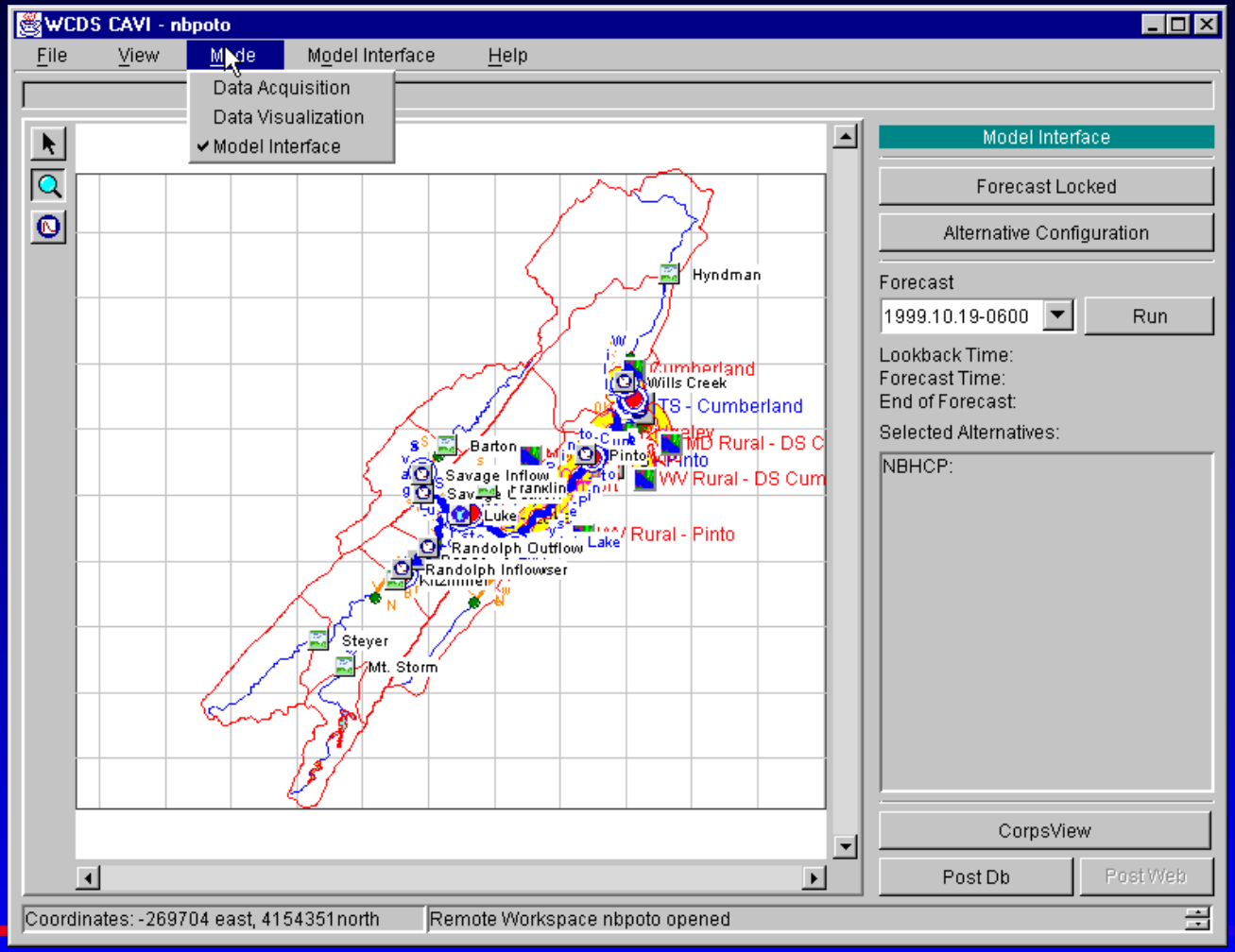
- Oracle RDBS
- Time Series Data
- Standard SI Units
- UTC Time Base
- Location Attribut



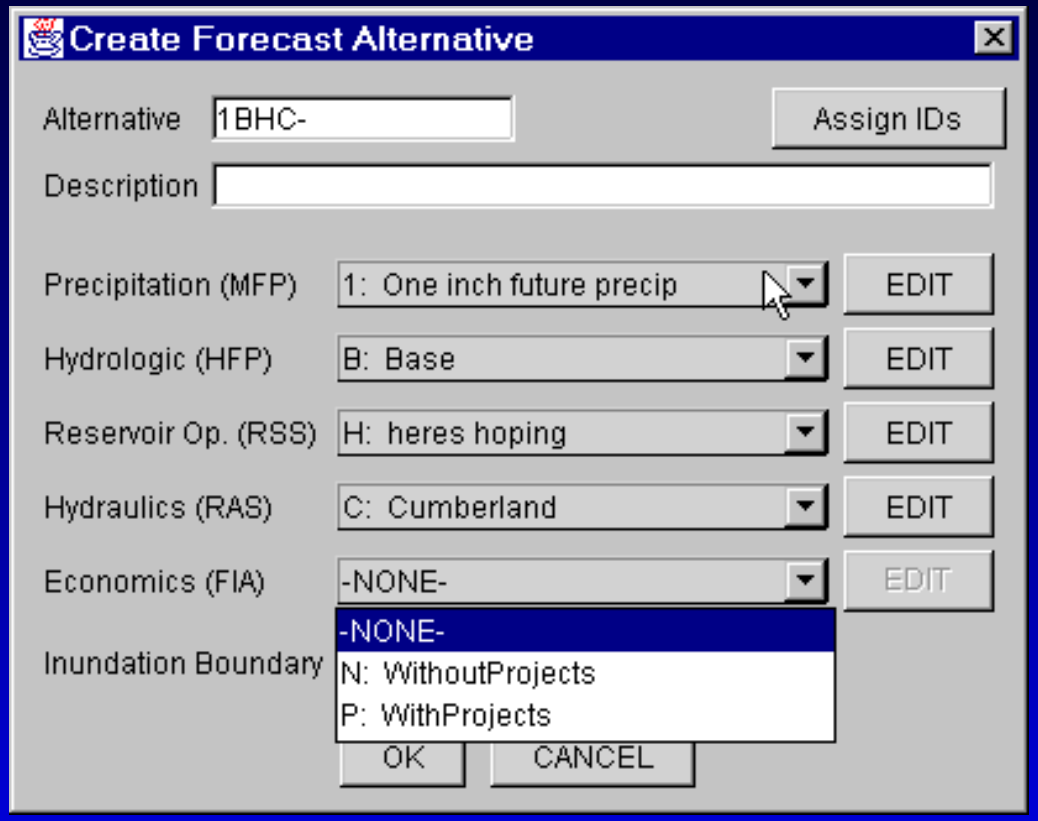
Data Visualization



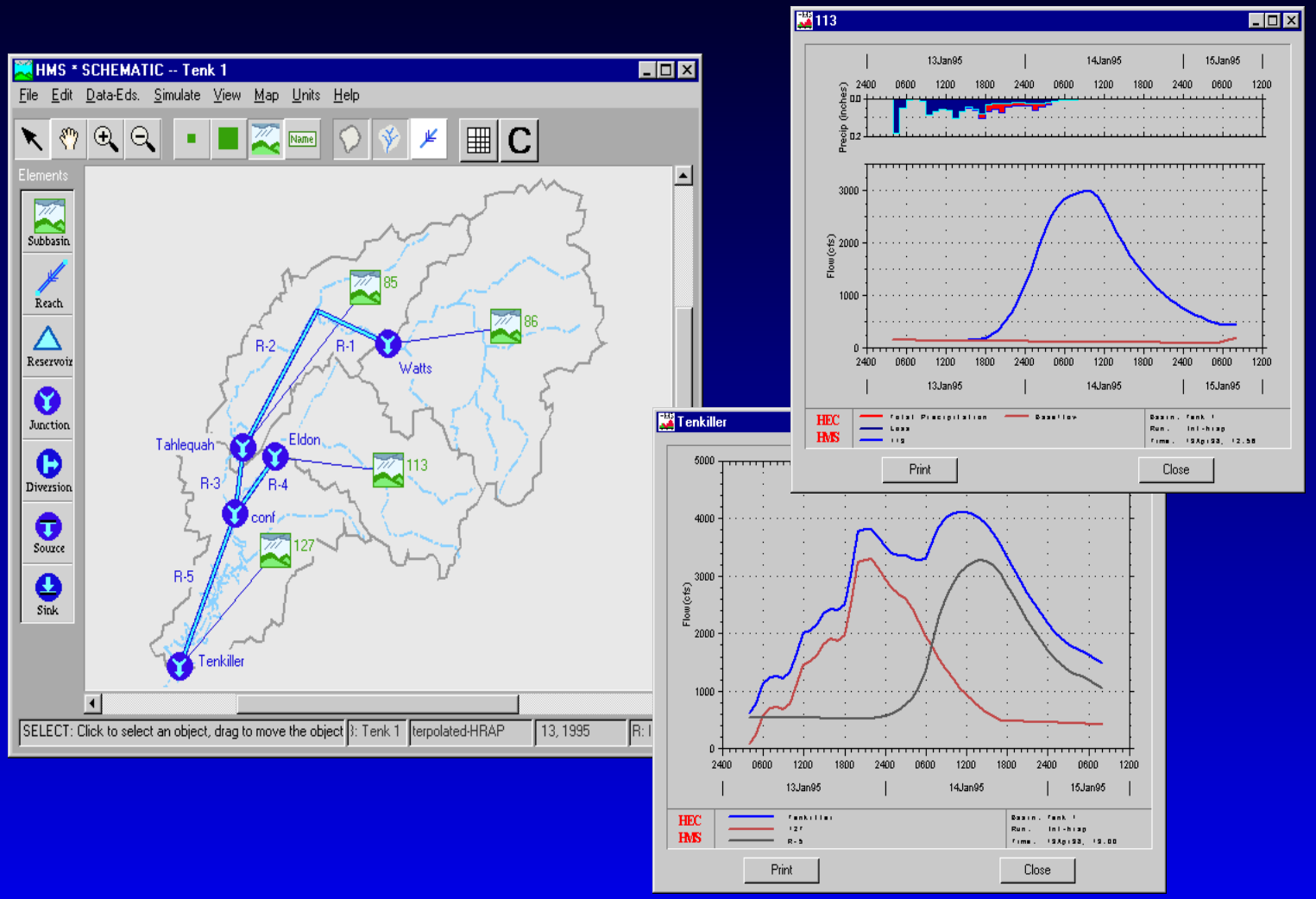
Modeling


WCDS CAVI - nbpoto
File
View
Mode
Model Interface
Help
Data Acquisition
Data Visualization
Model Interface
Model Interface
Forecast Locked
Alternative Configuration
Forecast
1999.10.19-0600
Run
Lookback Time:
Forecast Time:
End of Forecast:
Selected Alternatives:
NBHCP:
CorpsView
Post Db
Post Web
Hyndman
Wills Creek
TS - Cumberland
MD Rural - DS C
Pinto
WV Rural - DS Cum
Rural - Pinto
Barton
Savage Inflow
Luke
Randolph Outflow
Randolph Inflowser
Steyer
Mt. Storm
Coordinates: -269704 east, 4154351 north
Remote Workspace nbpoto opened

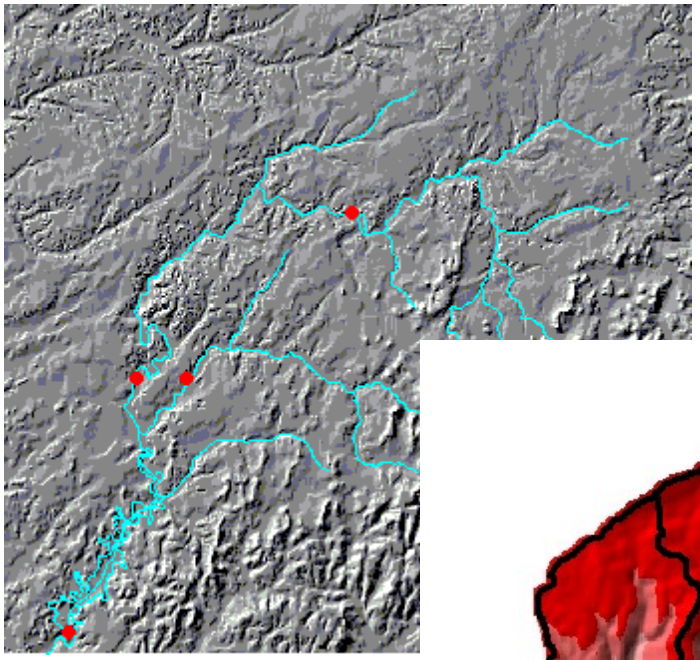
Modeling Alternative

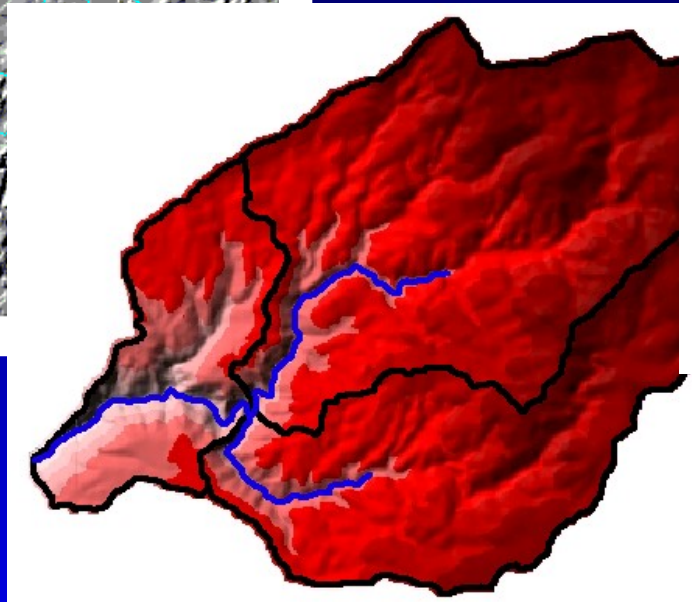


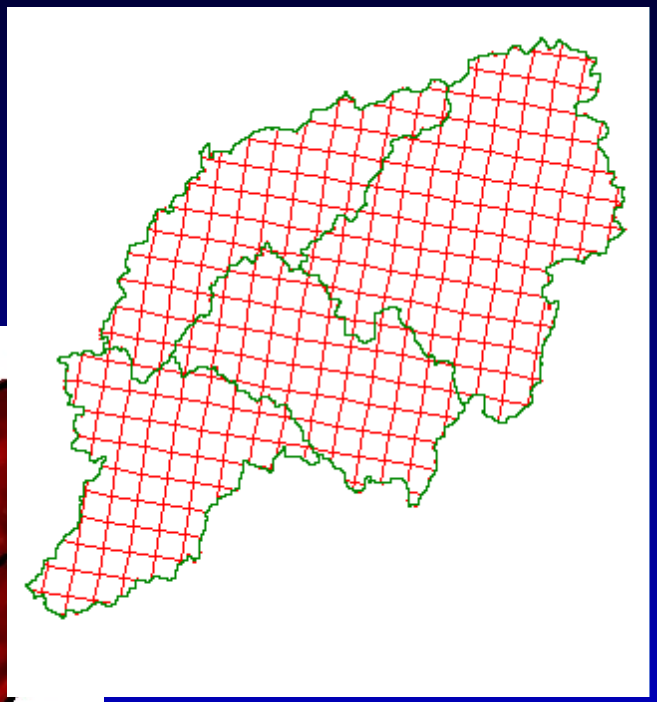
Hydrologic Analysis



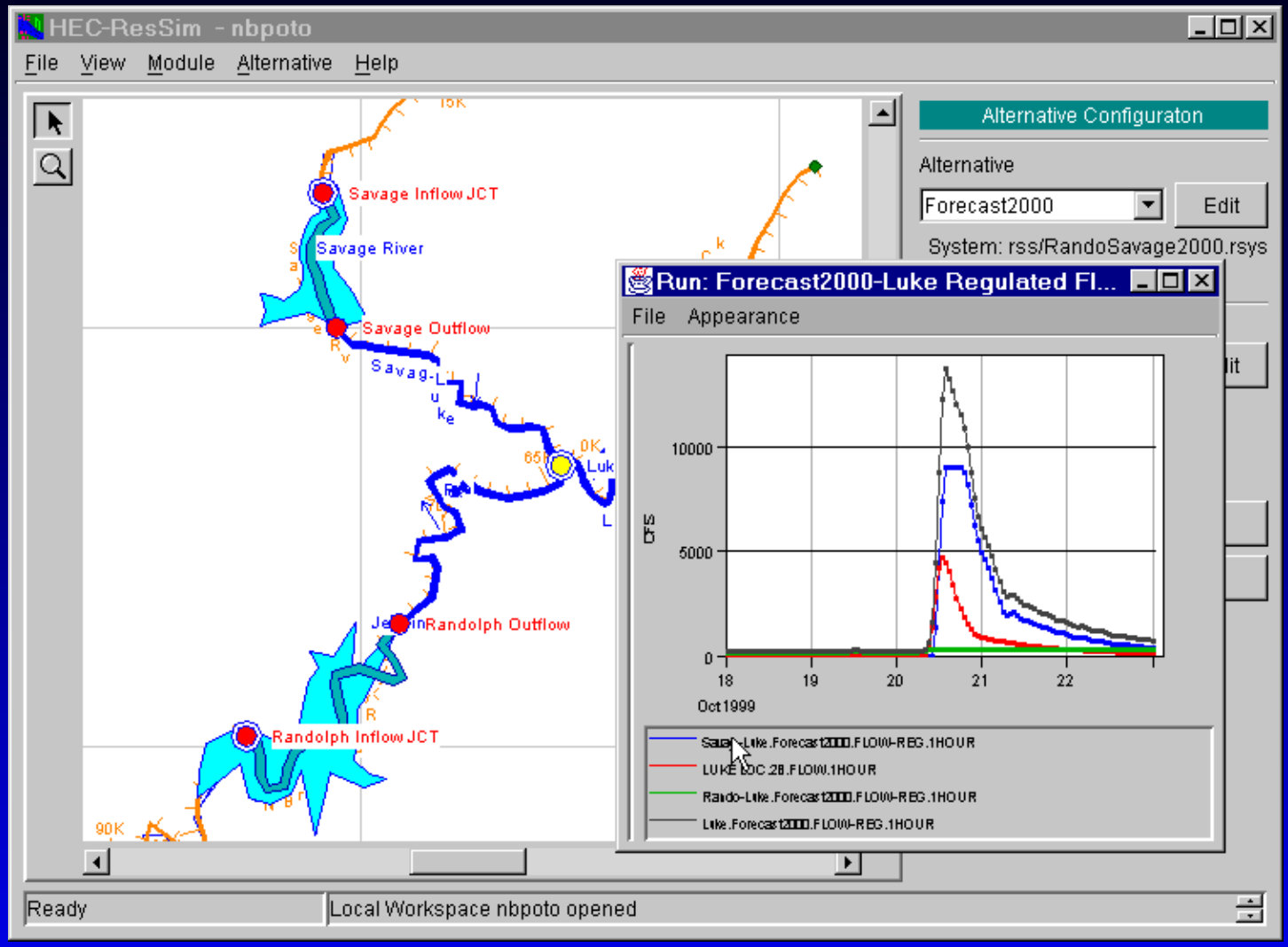
Gridded Runoff Analysis



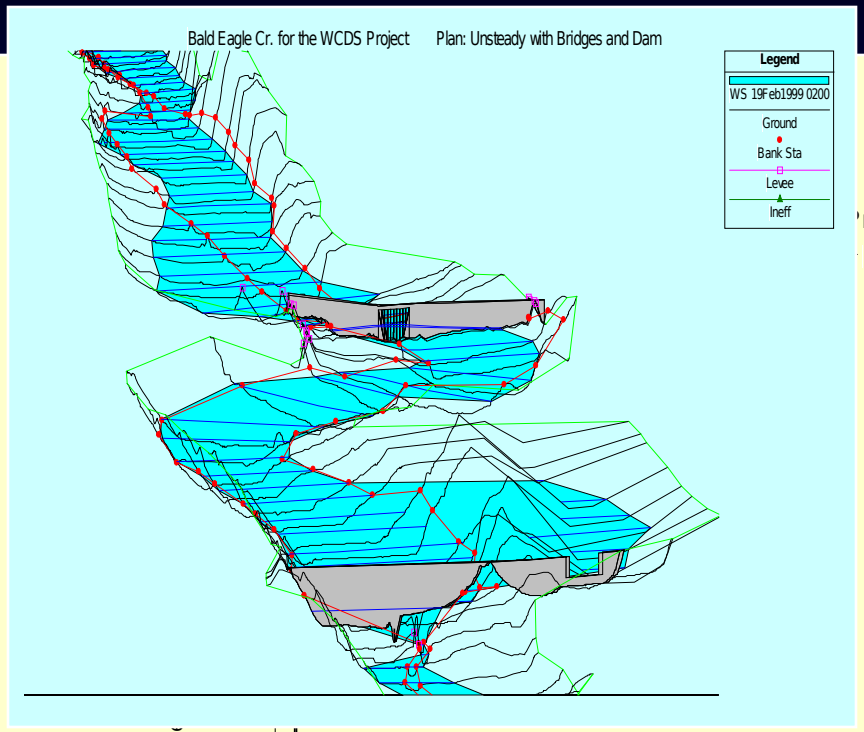


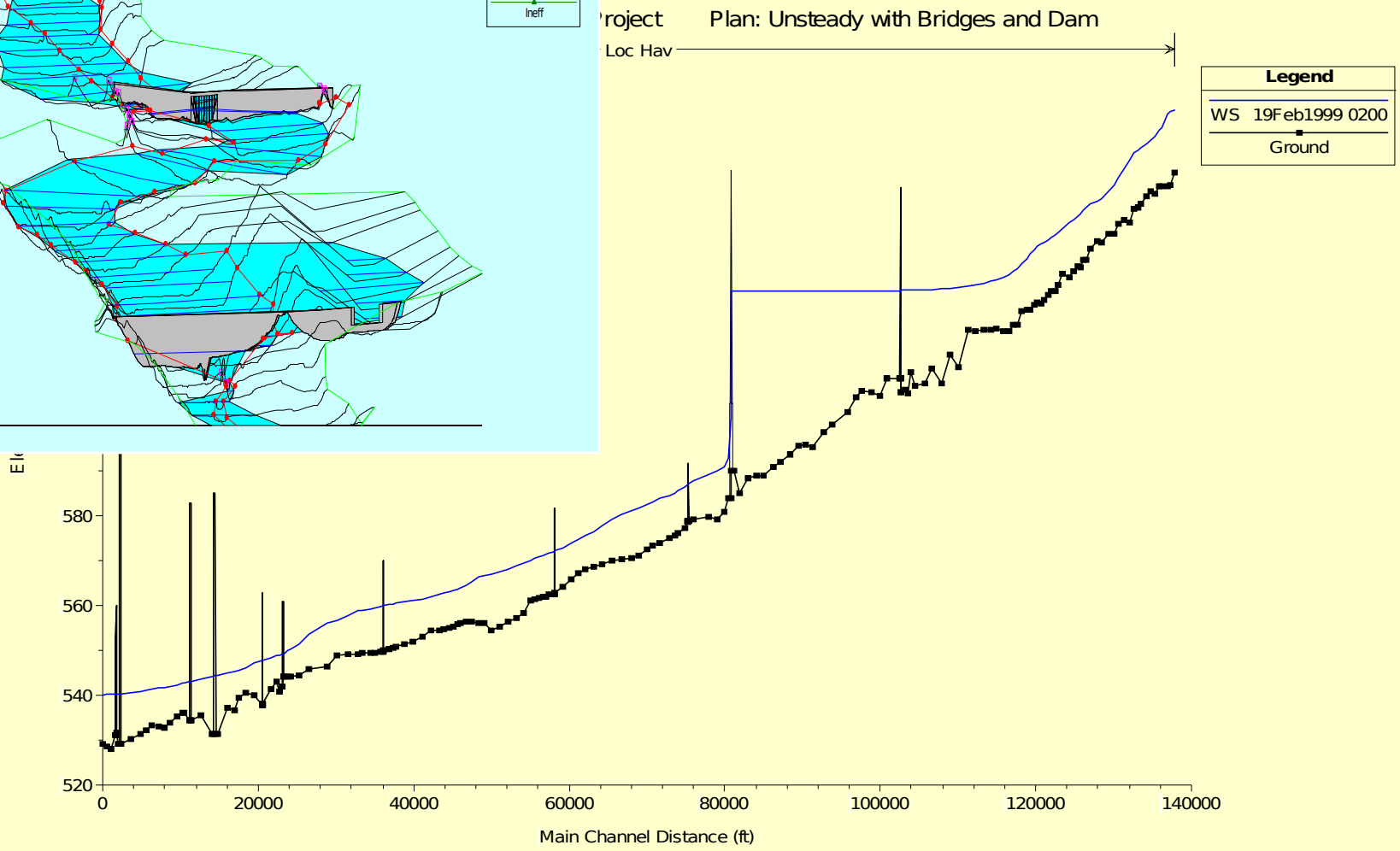


Reservoir Analysis

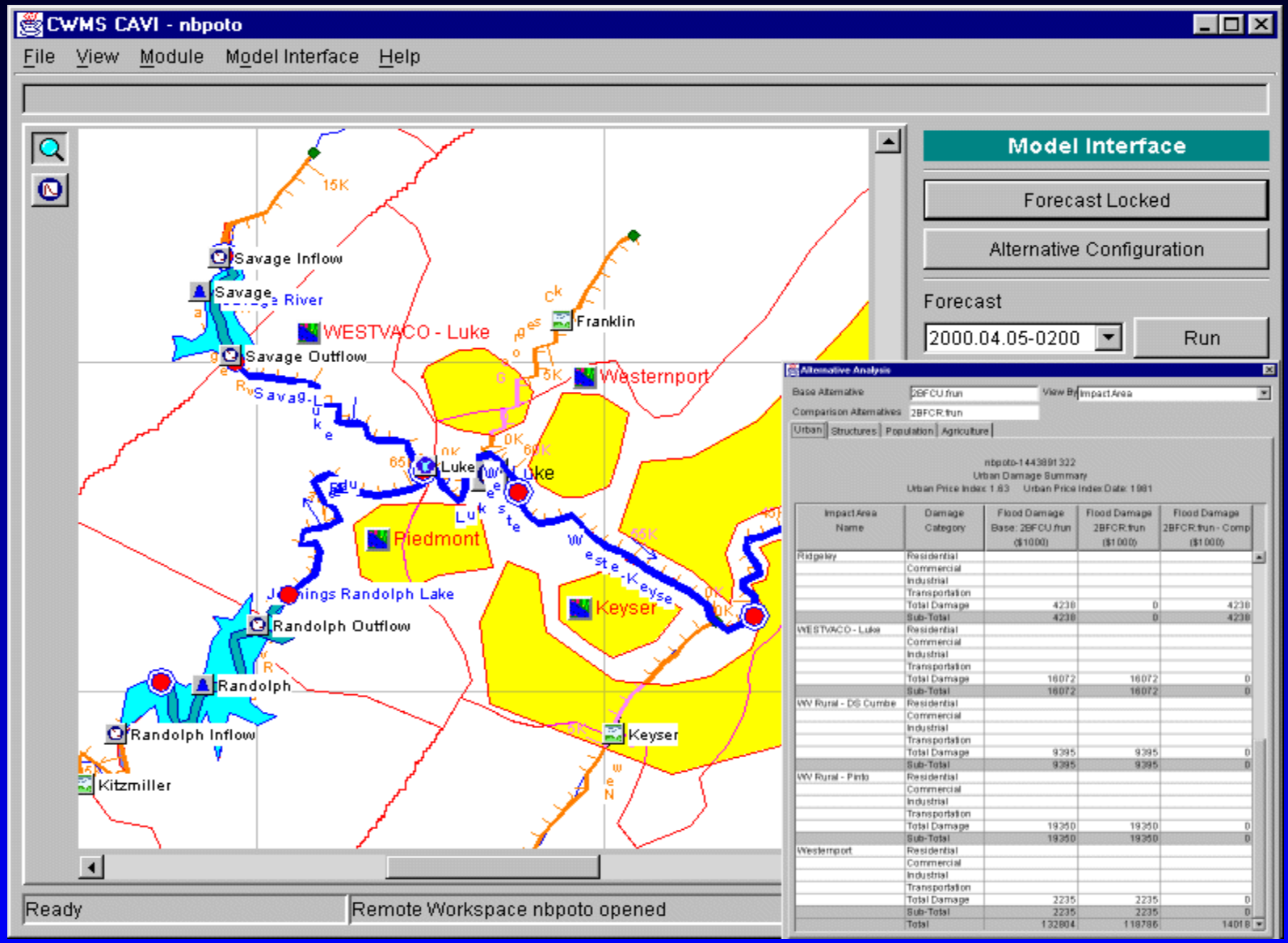


River Profile Modeling

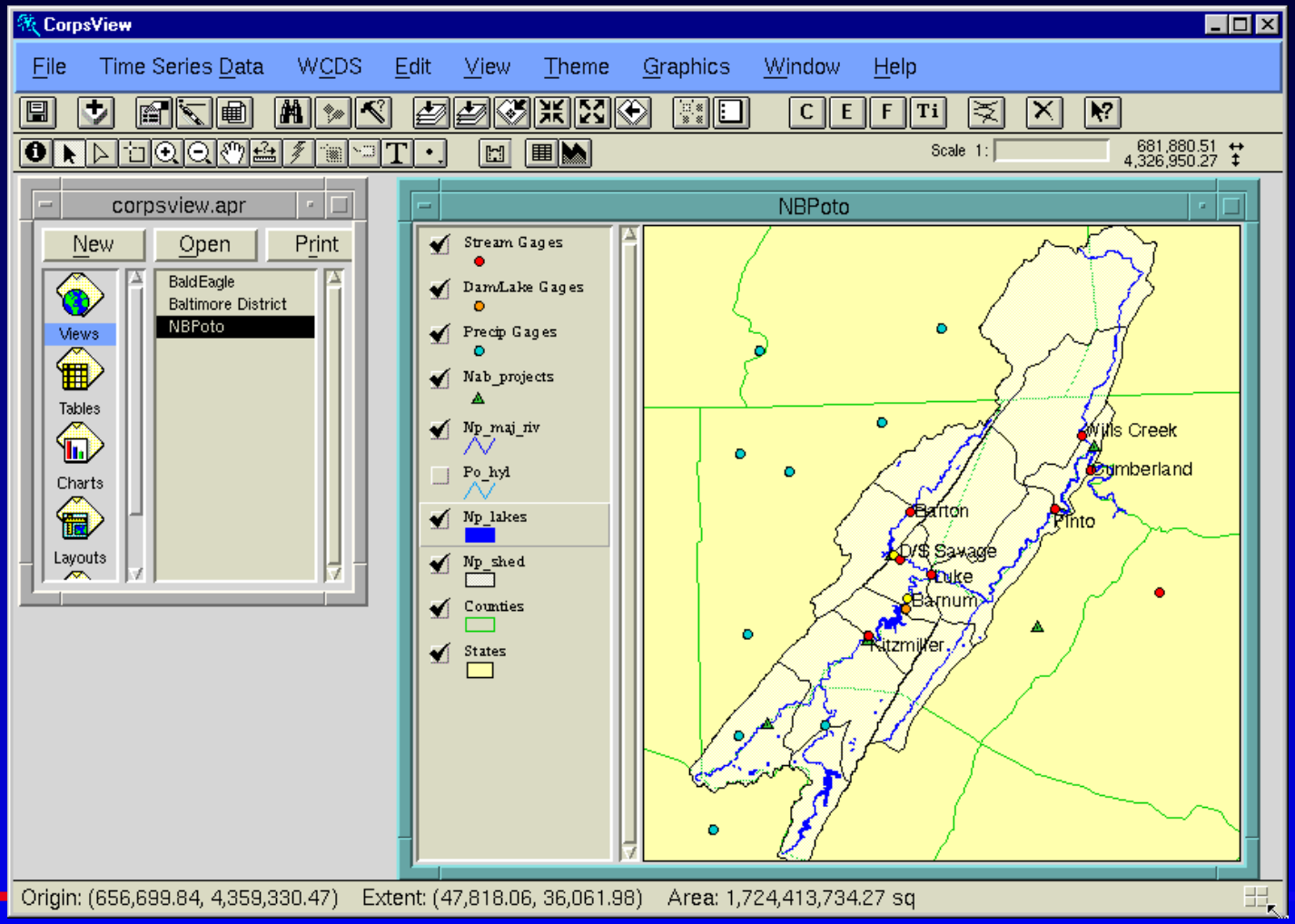




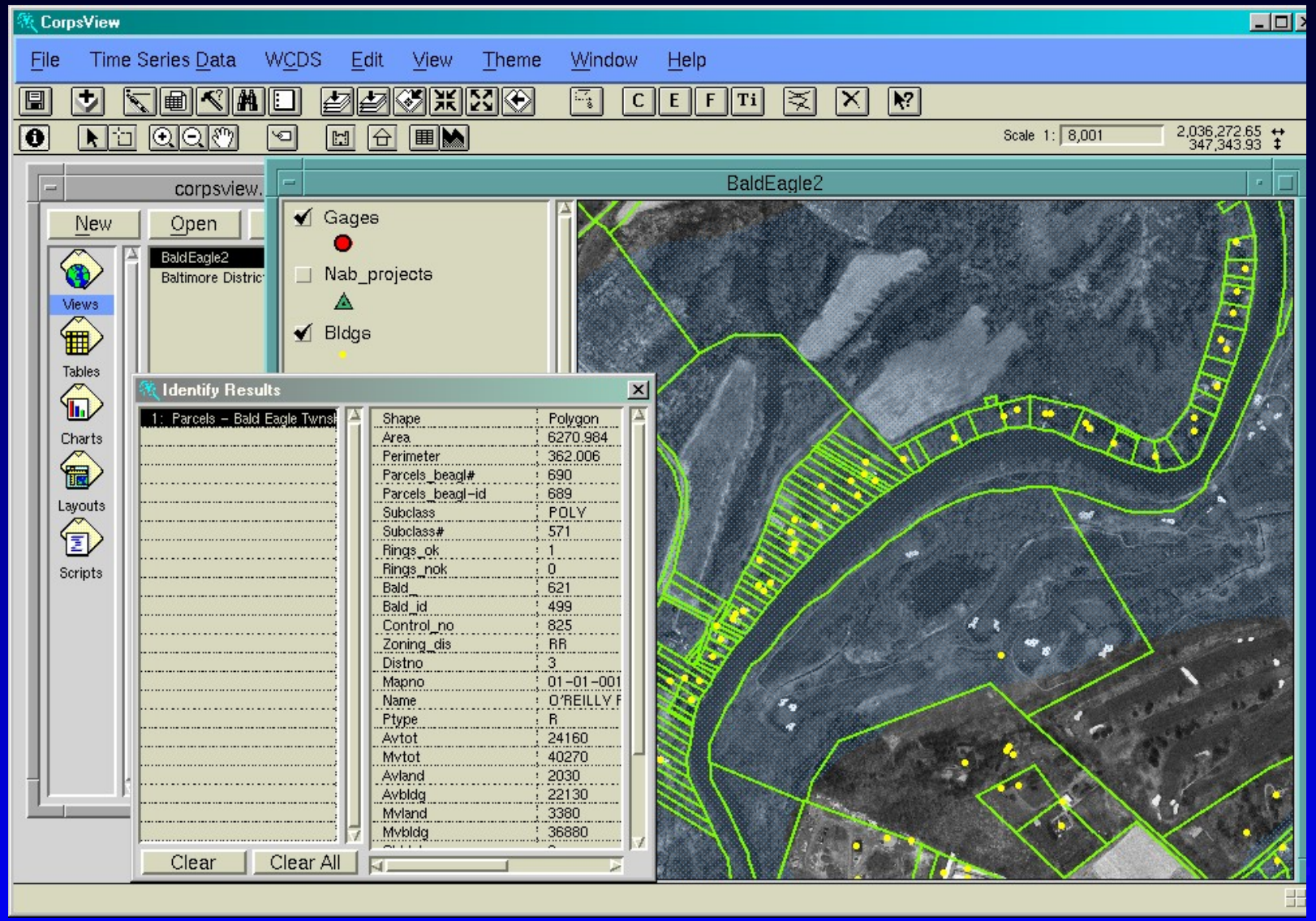
Flood Impact Analysis



CorpsView Displays



CorpsView - Site Information



Data Dissemination

Hunt Dist Corps of Eng Water Contrl: Lake Sumry - Netscape

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Bookmarks Location: http://www.lrh-wc.usace.army.mil/wc/summary.html What's Related

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US Army Corps of Engineers
Huntington District

WATER CONTROL

Lake Page

Lake Summary Report

Includes all Huntington District Reservoir Projects

All time references are Eastern Standard Time (EST). All data is preliminary. Please see disclaimer prior to use.

LAKE SUMMARY

12 JUN 00

BASIN	LAKE PROJECT	LAKE LEVEL	24HR CHANGE	24H PREC
MUSKINGUM	ATWOOD	928.09	0.11	
	BEACH CITY	948.86	0.01	
	BOLIVAR	899.24	0.28	
	CHARLES MILL	997.21	-0.07	

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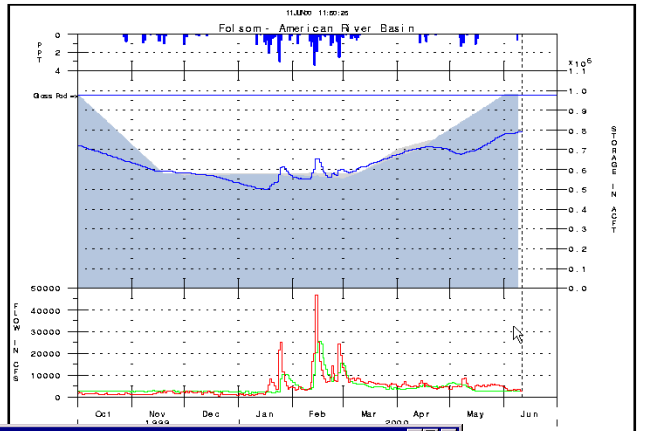

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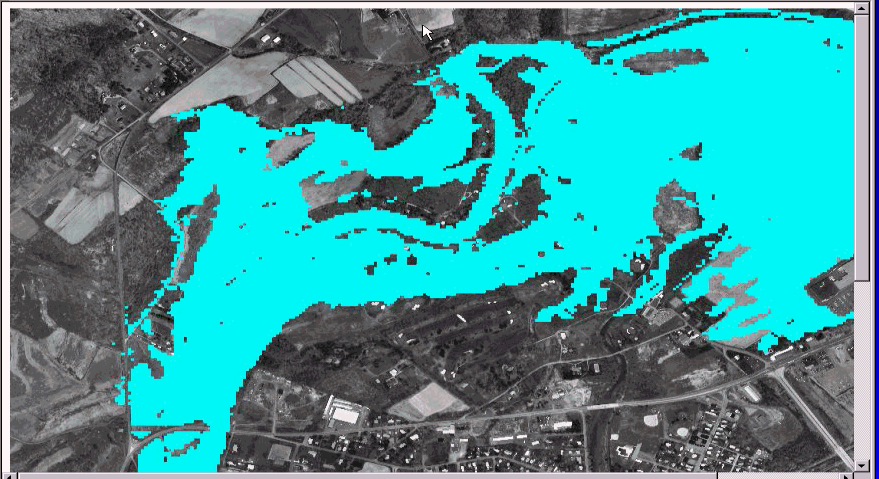

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Summary

- Modernized Water Management System
- Network Based Client-Server Architecture
- Data Acquisition/Data Base/Data Dissemination
- Spatially distributed Hydrologic Modeling
- Reservoir Operation Decision Support
- River Profile/Inundated Area Mapping
- Flood Impact Analysis